

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1. (Currently Amended) A fluororesin coated medical guide wire, comprising:

a metal wire; and

~~in which at least~~ a fluororesin coating layer ~~is formed on~~ covering at least a portion of a surface of ~~[[a]]~~ the metal wire,

~~wherein the metal wire has a uniform thickness or a tapered tip;~~

~~wherein a particulate matter of fluororesin is present in the fluororesin coating layer~~  
including, the fluororesin coating a base layer made of a first fluororesin material, and surface  
protrusion-shaped smooth projections of a second the particulate matter of fluororesin material,

~~wherein the first and the second are baked by heating at at least a melting point of the~~  
~~fluororesin coating layer, and the fluororesin coating layer and the particulate matter of~~  
fluororesin materials are compatibly melted together,

the fluororesin coating layer having no clearly distinguishable boundary between the first  
fluororesin material and the second fluororesin material compatible and melt into a single unit;  
and

~~wherein the fluororesin coating layer is an outermost layer that covers the particulate~~  
~~matter, and at least some of the particulate matter is formed in surface protrusion-shaped smooth~~  
~~projections, so that frictional resistance to a resin tube that comes into contact with the~~  
~~projections is reduced.~~

2. (Currently Amended) The medical guide wire according to claim 1, wherein ~~a primer~~  
~~layer is further formed within the fluororesin coating layer~~ further including a primer layer;

~~wherein the particulate matter of second fluororesin material is present in at least one~~  
~~layer selected from the primer layer and the fluororesin coating layer; and~~

~~wherein the fluororesin coating layer of the an outermost layer of the fluororesin coating~~  
layer covers the second fluororesin material particulate matter and at least some of the particulate

~~matter is formed in surface protrusion-shaped projections.~~

3. (Canceled)

4. (Currently Amended) The medical guide wire according to claim 1, wherein the first and second fluoro resin materials of the fluoro resin coating layer ~~and the matriculate matter~~ include at least one selected from the group consisting of polytetrafluoroethylene (PTFE), tetrafluoroethylene-perfluoroalkylvinyl ether copolymer (PFA), polychlorotrifluoroethylene (PCTFE), polyvinylidene fluoride (PVDF), polyvinyl fluoride (PVF), tetrafluoroethylene-hexafluoropropylene copolymer (FEP), and tetrafluoroethylene-ethylene copolymer (PETFE).

5. (Previously Presented) The medical guide wire according to claim 1, wherein the thickness of the fluoro resin coating layer is at least 1  $\mu\text{m}$  and not more than 50  $\mu\text{m}$ .

6. (Original) The medical guide wire according to claim 1, wherein the average height of the projections is at least 0.1  $\mu\text{m}$  and not more than 20  $\mu\text{m}$ .

7. (Original) The medical guide wire according to claim 1, wherein the fluoro resin coating layer surface has a mixture of flat portions and numerous protrusion-shaped projections.

8. (Previously Presented) The medical guide wire according to claim 1, wherein the density of the protrusion-shaped projections is at least an average of 1 per 0.01  $\text{mm}^2$ .

9-10. (Canceled)

11. (Currently Amended) The medical guide wire according to claim 2, wherein an average particle diameter of the ~~particulate matter~~ second fluoro resin material is at least the film thickness of the primer layer, and the average particle diameter is in a range of 0.5 to 30  $\mu\text{m}$ .

12-18. (Canceled)

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19. (New) The medical guide wire according to claim 1, wherein the first and the second fluororesin materials form a structural single unit.

20. (New) The medical guide wire according to claim 1, wherein the first and the second fluororesin materials have different melting points.